

Abstract

A mixture fitting for use in a combustible gas system, for example, a fireplace. The mixture fitting may include a first portion configured to be coupled to a combustible gas source and a second portion configured to be coupled to a burner assembly. The first and second portions together form a gas passage. The mixture fitting also includes an air orifice extending from an exposed surface of the mixture fitting to the gas passage. The air orifice is configured to allow primary air to travel through the air orifice and into the gas passage to facilitate mixing of air with the combustible gas. Alternatively, the air orifice may be angled, and multiple air orifices may also be provided.

